

Historic, archived document

Do not assume content reflects current
scientific knowledge, policies, or practices.



1.932
A2Ag 82
Cap 2

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Administration
Bureau of Agricultural and Industrial Chemistry

1945 SEMI-ANNUAL

NAVAL STORES REPORT

on

Production, Distribution, Consumption and Stocks

of

TURPENTINE AND ROSIN

of the

UNITED STATES

By Crop Years

April 1, 1945 - September 30, 1945

Issued November 19, 1945

Compiled by

I. E. Knapp, L. A. Goldblatt

and M. M. Horner

Naval Stores Research Division



FOREWORD

This is the tenth Semi-Annual Naval Stores Report on production, consumption, and stocks of naval stores. Annual reports, covering the entire naval stores crop year, April 1 - March 31, are also issued. These reports are issued under Federal Act 278, authorizing and directing the Secretary of Agriculture to collect, compile and publish statistics and essential information relating to spirits of turpentine and rosin produced, held and used in the domestic and foreign commerce of the United States.

If production figures for this period are used as a basis for estimating this crop year's probable production, the fact that gum naval stores production is seasonal should be borne in mind. Wood naval stores production, on the other hand, is not seasonal but is based largely upon probable consumer demand and to some degree upon labor.

As in previous reports, carryover (stocks) of turpentine and rosin is separated into gum and wood products. Stocks of wood rosin do not include so-called "B wood rosin." While sulphate wood turpentine is carried in the regular production and carryover tables, data on tall oil ("liquid rosin") are in a table separate from gum and wood rosin. Pending the selection of a proper term, we continue to refer to the mixture of rosin and fatty acids recovered by the acidification of the soap curds (black liquor soap) obtained in the production of sulphate pulp as tall oil. The tall oil so obtained contains approximately 42 percent of rosin acids.

The data on production, consumption and stocks are expressed in commercial units: For turpentine - barrels of 50 gage gallons; and for rosin - drums of approximately 520 pounds net weight. A unit of naval stores consists of one barrel of turpentine and two and two-thirds drums of rosin. Carryover figures do not include gum turpentine or rosin producible from crude gum on hand.

Statistics on exports and imports of turpentine and rosin are now available and are included in this report.

Tables 9a and 9b on pages 9 and 10 of this report are summaries of the supply and distribution of turpentine and rosin for the past eight crop years. Data on exports and imports which were not published during the war have now been released and are included in these summaries. For ready comparison, previously published rosin figures have been recalculated to drums of 520 pounds net weight.

These reports are designed to be of use to the industry — producer, factor, distributor, and consumer. Every effort is made to obtain complete and accurate information but the completeness, accuracy, and promptness of issue depend upon the cooperation of those reporting. In accepting the statistics given in this report, as well as those in previous reports, it should be borne in mind that the Bureau of Agricultural and Industrial Chemistry merely assembles the figures from the individual reports received and is not responsible for their accuracy.

The Bureau of Agricultural and Industrial Chemistry extends its thanks to those producers, factors, distributors, and consumers who have so kindly cooperated in furnishing the requested information. The assistance of Mrs. Clotilde H. Oubre in tabulating the data for this report is gratefully acknowledged.

SUMMARY OF TURPENTINE

SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. - 50 gals.)

(By naval stores crop years, beginning April 1 and ending March 31)

<u>1945-46</u>			<u>1944-45</u>		
<u>6 mos. (Apr. - Sept.)</u>			<u>6 mos. (Apr. - Sept.)</u>		
<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 1a - SUPPLY AND DISTRIBUTION

U. S. Carryover						
April 1 ^{1/}	202,546	168,011	34,535	295,581	262,057	33,524
Production ^{2/}	281,124	158,981	122,143	269,439	159,312	110,127
Imports	8,896	8,896	---	8,390	8,390	---
Available Supply	492,566	335,888	156,678	573,410	429,759	143,651
Less Carryover						
September 30 ^{3/}	165,326	123,460	41,866	258,443	233,151	25,292
Appar. Total						
Consumption	327,240	212,428	114,812	314,967	196,608	116,359
Less Exports	51,146	42,032	9,114	43,735	35,503	8,227
Appar. U. S.						
Consumption	276,094	170,396	105,698	271,232	161,100	110,132

TABLE 2a - CARRYOVER (Stocks)

U. S. Carryover						
April 1	202,546	168,011	34,535	295,581	262,057	33,524
U. S. Carryover						
September 30	165,326	123,460	41,866	258,443	233,151	25,292
Increase	---	---	7,331	---	---	---
Decrease	37,220	44,551	---	37,138	28,906	8,232

^{1/} From Table 4a, 1944-45 Annual Naval Stores Report.

^{2/} Table 5a.

^{3/} Table 4a.

SUMMARY OF ROSIN

SUPPLY, DISTRIBUTION AND CARRYOVER (Drums - 520 lbs. net)
(By naval stores crop years, beginning April 1 and ending March 31)

	<u>1945-46</u>			<u>1944-45</u>		
	<u>6 mos. (Apr. - Sept.)</u>			<u>6 mos. (Apr. - Sept.)</u>		
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
U. S. Carryover						
April 1 ^{1/}	388,266	265,881	122,385	794,786	648,206	146,580
Production ^{2/}	774,481	431,055	343,426	728,736	426,310	302,426
Imports	9,326	9,326	---	2,578	2,578	---
Available Supply	1,172,073	706,262	465,811	1,526,100	1,077,094	449,006
Less Carryover						
September 30 ^{3/}	473,146	325,937	147,209	661,594	526,639	134,955
Appar. Total						
Consumption	698,927	380,325	318,602	864,506	550,455	314,051
Less Exports	64,678	30,272	34,406	145,343	120,084	25,259
Appar. U. S.						
Consumption	634,249	350,053	284,196	719,163	430,371	288,792

TABLE 2b - CARRYOVER (Stocks)

U. S. Carryover						
April 1	388,266	265,881	122,385	794,786	648,206	146,580
U. S. Carryover						
September 30	473,146	325,937	147,209	661,594	526,639	134,955
Increase	84,880	60,056	24,824	---	---	---
Decrease	---	---	---	133,192	121,567	11,625

^{1/} From Table 4b, 1944-45 Annual Naval Stores Report.

^{2/} Table 5b. Includes reclaimed rosin.

^{3/} Table 4b.

DETAILS AND SUMMARY OF TURPENTINE CARRYOVER (Bbls. - 50 gals.)

1945
September 30

1944
September 30

<u>Total</u>	<u>Gum</u>	<u>Wood</u>	.	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
--------------	------------	-------------	---	--------------	------------	-------------

TABLE 3a - DETAILS OF TURPENTINE CARRYOVER (Stocks)

<u>Production Points</u> ^{1/}						
Gum Stills ^{2/}	25,503	25,503	---	26,490	26,490	---
Wood Plants						
Steam Dist.	5,931	---	5,931	5,864	---	5,864
Sulphate	6,598	---	6,598	4,725	---	4,725
Dest. Dist.	238	---	238	416	---	416
Total	38,270	25,503	12,767	37,495	26,490	11,005
<u>Sou. Concent. Points</u> ^{1/}						
	72,847	72,847	---	178,748	178,748	---
<u>Distribution Points</u>						
Eastern	8,354	5,008	3,346	8,092	5,670	2,422
Central	14,145	9,761	4,384	14,363	11,843	2,520
Western	4,600	3,429	1,171	3,332	2,523	809
Total ^{3/}	27,099	18,198	8,901	25,787	20,036	5,751
<u>Industrial Plants</u> ^{4/}						
	27,110	6,912	20,198	16,413	7,877	8,536

TABLE 4a - SUMMARY OF TURPENTINE CARRYOVER (Stocks)

Production Points	38,270	25,503	12,767	37,495	26,490	11,005
Sou. Concent. Points	72,847	72,847	---	178,748	178,748	---
Distribution Points	27,099	18,198	8,901	25,787	20,036	5,751
Industrial Plants	27,110	6,912	20,198	16,413	7,877	8,536
Total in U. S.	165,326	123,460	41,866	258,443	233,151	25,292

^{1/} Irrespective of ownership. Some of the turpentine may have been sold and may be awaiting shipment.

^{2/} Compiled from reports by producers and factors.

^{3/} Compiled from reports of individual distributors.

^{4/} Compiled from reports of individual consumers.

DETAILS AND SUMMARY OF ROSIN CARRYOVER (Drums - 520 lbs. net)

	<u>1945</u> <u>September 30</u>			<u>1944</u> <u>September 30</u>		
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>TABLE 3b - DETAILS OF ROSIN CARRYOVER (Stocks)</u>						
<u>Production Points</u> ^{1/}						
Gum Still ^{2/}	88,696	88,696	---	106,824	106,824	---
Wood Plants						
Steam Dist. ^{3/}	66,181	---	66,181	58,733	---	58,733
Sulphate	---	---	---	---	---	---
Dist. Dist.	---	---	---	---	---	---
Total	154,877	88,696	66,181	165,557	106,824	58,733
<u>Sou. Concent. Points</u> ^{1/}	28,641	28,641	---	150,106	150,106	---
<u>Distribution Points</u>						
Eastern	10,929	5,538	5,391	9,677	7,234	2,443
Central	6,015	3,414	2,601	5,947	4,250	1,697
Western	922	383	539	641	263	378
Total ^{4/}	17,866	9,335	8,531	16,265	11,747	4,518
<u>Industrial Plants</u> ^{5/}	271,762	199,265	72,497	329,666	257,962	71,704

TABLE 4b - SUMMARY OF ROSIN CARRYOVER (Stocks)

Production Points	154,877	88,696	66,181	165,557	106,824	58,733
Sou. Concent. Points	28,641	28,641	---	150,106	150,106	---
Distribution Points	17,866	9,335	8,531	16,265	11,747	4,518
Industrial Plants	271,762	199,265	72,497	329,666	257,962	71,704
Total in U. S.	473,146	325,937	147,209	661,594	526,639	134,955

- 1/ Irrespective of ownership. Some of the rosin may have been sold and may be awaiting shipment.
- 2/ Compiled from reports by producers and factors. Includes reclaimed rosin.
- 3/ Does not include by-products resulting from making paler grades from FF wood rosin.
- 4/ Compiled from reports of individual distributors.
- 5/ Compiled from reports of individual consumers.

DETAILS OF PRODUCTION

(By naval stores crop years, beginning April 1 and ending March 31)

	<u>1945-46</u> <u>6 mos. (Apr. - Sept.)</u>			<u>1944-45</u> <u>6 mos. (Apr. - Sept.)</u>		
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>TABLE 5a - PRODUCTION OF TURPENTINE (Bbls. - 50 gals.)</u>						
Gum	158,981	158,981	---	159,312	159,312	---
Wood						
Steam Dist.	61,602	---	61,602	54,535	---	54,535
Sulphate	57,955	---	57,955	51,451	---	51,451
Dest. Dist.	2,586	---	2,586	4,141	---	4,141
Total	281,124	158,981	122,143	269,439	159,312	110,127

<u>TABLE 5b - PRODUCTION OF ROSIN (Drums 520 lbs. net)</u>						
Gum	426,505	426,505	---	423,810	423,810	---
Reclaimed Gum	4,550	4,550	---	2,500	2,500	---
Wood						
Steam Dist.	343,426	---	343,426	302,426	---	302,426
Sulphate	---	---	---	---	---	---
Dest. Dist.	---	---	---	---	---	---
Total	774,481	431,055	343,426	728,736	426,310	302,426

TABLE 5c - PRODUCTION OF BLACK LIQUOR SOAP AND TALL OIL^{1/}

	<u>1945-46</u> <u>6 mos. (Apr. - Sept.)</u>	<u>1944-45</u> <u>6 mos. (Apr. - Sept.)</u>
Black Liquor Soap		
Reported as produced	103,691 tons	96,828 tons
Black Liquor Soap		
Reported as acidified	101,644 tons	72,580 tons
To produce according to reports		
Crudo Tall Oil	49,591 tons	35,622 tons

^{1/} See foreword for definition.

TABLE 6 - PRODUCTION OF GUM TURPENTINE BY STATES^{1/}

	<u>1945-46</u>		<u>1944-45</u>	
	<u>6 mos. (Apr. - Sept.)</u>		<u>6 mos. (Apr. - Sept.)</u>	
	<u>Barrels</u>	<u>Percentage</u>	<u>Barrels</u>	<u>Percentage</u>
South Carolina	1,267	0.80	1,329	0.83
Georgia	119,324	75.05	110,780	69.54
Florida	27,183	17.10	35,974	22.58
Alabama	8,710	5.48	8,791	5.52
Mississippi	1,832	1.15	2,020	1.27
Louisiana	<u>665</u>	<u>0.42</u>	<u>418</u>	<u>0.26</u>
Total	158,981	100.00	159,312	100.00

TABLE 7 - MISCELLANEOUS NAVAL STORES (Bbls. - 50 gals.)

	<u>1945-46</u>	<u>1945</u>	<u>1944-45</u>	<u>1944</u>
	<u>6 mos. (Apr. - Sept.)</u>	<u>Sept. 30</u>	<u>6 mos. (Apr. - Sept.)</u>	<u>Sept. 30</u>
	<u>Production</u>	<u>Stocks</u>	<u>Production</u>	<u>Stocks</u>
Pine Oil	53,337	11,326	49,533	9,648
Pine Tar	43,377	4,806	43,964	1,227
Rosin Oil	10,457	2,548	11,856	2,291
Dipentene	9,567	4,024	8,859	2,312
Other Monocyclic Hydrocarbons	15,446	6,599	16,376	5,968

^{1/} A unit of naval stores consists of one 50-gallon barrel of turpentine and two and two-thirds drums (each 520 lbs net) of rosin.

TABLE 8a - REPORTED CONSUMPTION OF TURPENTINE IN UNITED STATES (Bbls. - 50 gal.)
(By naval stores crop years, beginning April 1 and ending March 31)

	<u>1945-46</u> 6 mos. (Apr. - Sept.)			<u>1944-45</u> 6 mos. (Apr. - Sept.)		
	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>
Abattoirs	0			0		
Adhesives & plastics	162			231		
Asphaltic products	0			0		
Automobiles & wagons	97			102		
Chemicals & pharmaceuticals	55,595			64,985		
Ester gum & synthetic rosins	9,400			5,905		
Foundries & foundry supplies	318			315		
Furniture	75			84		
Insecticides & disinfectants	8			105		
Linoleum & floor covering	21			22		
Matches	0			0		
Oils & greases	63			103		
Paint, varnish & lacquer	8,656			11,548		
Paper & paper size	0			0		
Printing ink	103			179		
Railroads & shipyards	4,950			5,414		
Rubber	449			244		
Shoe polish & shoe materials	5,568			6,678		
Soap	0			0		
Other industries	76			116		
Total industrial reported	85,541	17,351	68,190	96,031	28,328	67,703
Not accounted for ^{2/}	190,553	153,045	37,508	175,201	132,772	42,429
Apparent U.S. consumption ^{3/}	276,094	170,396	105,698	271,232	161,100	110,132

- 1/ Separation of gum and wood turpentine consumption will be limited for the present to the total reported.
- 2/ Principally unreported distribution of turpentine through retailers who sell in small quantities to ultimate consumers.
- 3/ From Table 1a, page 1.

TABLE 8b - REPORTED CONSUMPTION OF ROSIN IN UNITED STATES (Drums - 520 lbs. net)
(By naval stores crop years, beginning April 1 and ending March 31)

	1945-46 6 mos. (Apr. - Sept.)			1944-45 6 mos. (Apr. - Sept.)		
	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>	<u>Total</u>	<u>Gum^{1/}</u>	<u>Wood^{1/}</u>
Abattoirs	211			425		
Adhesives & plastics	11,566			14,335		
Asphaltic products	1,463			1,864		
Automobiles & wagons	67			136		
Chemicals & pharmaceuticals	138,304			131,747		
Ester gum & synthetic resins	131,758			111,515		
Foundries & foundry supplies	7,930			8,367		
Furniture	2			3		
Insecticides & disinfectants	3,035			3,924		
Linoleum & floor covering	4,349			10,804		
Matches	681			699		
Oils & greases	14,541			22,510		
Paint, varnish & lacquer	52,122			63,736		
Paper & paper size	133,233			188,654		
Printing ink	3,610			9,375		
Railroads & shipyards	8,813			11,502		
Rubber	12,881			8,662		
Shoe polish & shoe materials	2,995			3,508		
Soap	121,804			159,960		
Other industries	2,447			2,401		
Total industrial reported	651,812	361,986	289,826	754,127	453,736	300,391
Not accounted for ^{2/}	-17,563	-11,933	-5,630	-34,964	-23,365	-11,599
Apparent U.S. consumption ^{3/}	634,249	350,053	284,196	719,163	430,371	288,792

1/ Separation of gum and wood rosin consumption will be limited for the present to the total reported.

2/ This discrepancy between the total industrial consumption reported and the apparent U. S. consumption is, no doubt, due in large part to errors in individual reports amplified by the change from the former barrel of 500 lbs. gross weight to the present drum of 520 lbs. net weight. Another factor may be the failure on the part of some consumers to distinguish between rosin and modified or derived resins in their reports with a resulting duplication of reported consumption.

3/ From Table 1b, page 2.

TABLE 9a - SUPPLY AND DISTRIBUTION OF TURPENTINE

SUMMARY FOR EIGHT YEARS

(Bbls. - 50 gals.)

	1944-45	1943-44	1942-43	1941-42	1940-41	1939-40	1938-39	1937-38
Crop Year, April 1 to March 31	295,581	288,213	156,369	209,910	220,267	314,323	218,774	223,364
U. S. Stocks at Opening of Crop Year, April 1								
Production During Crop Year:								
Gum	245,194	288,382	321,930	285,050	343,938	382,781	534,291	518,454
Wood								
Steam Distilled	117,265	125,171	143,166	190,043	161,161	158,575	129,091	136,292
Sulphate	104,307	91,045	84,484	64,986	54,081	56,631	40,467	38,500
Destructively Distilled	4,477	3,834	5,771	8,712	7,161	6,791	5,369	7,085
Total Production	471,243	508,432	560,351	548,796	566,341	604,778	709,218	700,331
Imports	15,382	17,813	11,283	13,632	16,683	16,492	16,319	15,242
Total Available Supplies	782,206	614,463	728,008	772,338	803,296	935,593	944,311	938,937
U. S. Stocks at End of Crop Year, March 31	202,546	295,581	288,213	156,369	209,910	220,267	314,323	218,774
Total Disappearance	579,660	518,882	439,795	615,969	593,386	715,326	629,988	720,163
Loss Exports:								
Gum	49,780	26,812	21,872	79,447	103,127	189,684	174,908	233,371
Wood	15,483	19,072	20,808	33,523	27,728	48,754	35,309	42,929
Total Exports	65,263	45,884	42,680	112,970	130,855	238,438	210,217	276,300
Apparent U. S. Consumption	514,397	472,998	397,115	502,999	462,531	476,888	419,771	443,863

TABLE 9b - SUPPLY AND DISTRIBUTION OF ROSIN

SUMMARY FOR EIGHT YEARS
(Drums - 520 lbs. net)

	1944-45	1943-44	1942-43	1941-42	1940-41	1939-40	1938-39	1937-38
Crop Year, April 1 to March 31								
U. S. Stocks at Opening of Crop Year, April 1	794,786	1,284,229	1,147,742	1,499,328	1,255,517	1,297,577	799,478	530,601
Production During Crop Year:								
Gum	692,212	783,565	868,698	791,710	938,911	1,054,236	1,466,344	1,388,342
Wood	625,700	679,266	787,105	916,764	778,581	759,474	610,330	642,830
Total Production	1,317,912	1,462,831	1,655,803	1,708,474	1,717,492	1,813,710	2,076,674	2,031,172
Imports	17,238	4,340	1,211	1,651	1,788	2,326	284	272
Total Available Supplies	2,129,936	2,751,400	2,804,756	3,209,453	2,974,797	3,113,613	2,876,436	2,562,045
U. S. Stocks at End of Crop Year, March 31	388,266	794,786	1,284,229	1,147,742	1,499,328	1,255,517	1,297,576	799,478
Total Disappearance	1,741,670	1,956,614	1,520,527	2,061,711	1,475,469	1,858,096	1,578,860	1,762,567
Less Exports:								
Gum	160,092	311,007	189,576	342,935	220,337	471,076	401,013	591,707
Wood	55,591	143,680	139,560	233,411	203,473	309,628	256,212	235,542
Total Exports	215,683	454,687	329,136	576,346	423,810	780,704	657,225	827,249
Apparent U. S. Consumption	1,525,987	1,501,927	1,191,391	1,485,365	1,051,659	1,077,392	921,635	935,318

TABLE 10a - WEIGHTED ^{1/} AVERAGE MONTHLY AND CROP YEAR PRICES OF GUM SPIRITS OF TURPENTINE - 1930-31 to 1945-46 ^{2/}
(Based upon Wednesdays and Saturdays Closing Savannah Prices) ^{3/}

Crop Year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
						Cents per Gallon							
1930-31	48.42	43.51	41.33	37.56	35.32	38.26	35.60	37.03	36.14	38.11	39.97	47.81	39.34
1931-32	50.44	49.42	50.69	39.77	31.40	31.88	31.17	35.21	33.83	34.68	34.84	40.06	40.10
1932-33	39.50	39.44	38.64	35.94	37.68	41.09	40.86	39.71	37.04	39.38	39.75	39.46	38.82
1933-34	37.88	42.47	40.39	46.39	42.83	41.97	40.81	42.14	42.07	47.44	57.00	55.00	42.72
1934-35	53.66	50.81	46.44	42.82	41.83	41.19	46.59	48.00	46.46	49.59	50.53	49.71	45.64
1935-36	47.37	47.07	44.46	42.40	38.47	40.91	45.76	44.92	43.96	45.19	44.44	39.31	43.56
1936-37	37.43	36.26	35.86	36.44	38.73	37.19	36.33	38.25	41.59	43.13	41.84	39.01	37.48
1937-38	35.97	35.83	34.07	33.44	31.94	29.93	27.28	26.92	26.14	28.18	26.47	25.42	31.36
1938-39	23.18	22.69	22.56	23.24	22.53	20.92	22.81	22.32	22.31	24.78	25.56	26.42	22.61
1939-40	24.96	23.93	24.00	24.11	23.72	26.11	27.16	25.72	27.00	30.17	32.91	31.67	25.31
1940-41	28.78	27.65	26.25	26.64	28.69	30.80	34.99	38.37	37.11	42.05	38.78	39.25	30.03
1941-42 ^{1/}	42.11	43.00	42.17	43.28	67.83	74.84	78.08	75.61	73.44	75.89	75.19	73.08	63.85
1942-43	65.47	61.22	62.12	64.30	61.06	66.28	70.08	69.84	69.50	69.59	69.09	69.69	66.52
1943-44	69.46	69.47	72.08	72.77	73.03	72.14	74.53	81.60	80.87	83.03	83.59	82.60	76.26
1944-45	82.58	83.31	83.53	82.53	84.47	84.67	84.50	84.50	85.00	85.31	87.00	86.63	84.50
1945-46	86.16	86.83	85.44	80.93	82.19	83.44							

1/ Prior to 1941-42 monthly prices were obtained by averaging Wednesday and Saturday closing prices. The crop year average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville, and Pensacola and dividing the total of these figures for the crop year by the total receipts for that crop year, thereby giving the monthly of heavy receipts and of low receipts their proper relative value. For 1941-42 and thereafter, only simple averages are shown.

2/ Prices for 1921-22 to 1930-31 crop years will be found in previous annual and semi-annual reports in this series.

3/ After November, 1936, Wednesday and Friday Savannah prices were used when there was no quoted Saturday market.
4/ Beginning July 1, 1940, quoted Savannah turpentine prices were exclusive of package. To complete this table and to present figures comparable with previous quotations, beginning July 1, 1940, 6 cents per gallon has been added to the Savannah quotations.

Sources of data: Florida inspections and monthly receipts at Savannah, Jacksonville, and Pensacola, The Naval Stores Review, Daily Market Reports of the Savannah Exchange, Jacksonville and Pensacola Chambers of Commerce and Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

TABLE 10b - WEIGHTED ¹/₂ AVERAGE MONTHLY AND CROP YEAR PRICES ²/₂ OF GUM ROSIN - 1930-31 to 1945-46 ³/₃
(Based upon Wednesdays and Saturdays Closing Savannah Prices) ⁴/₄

Crop Year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
						Dollars per 100 pounds net weight ²							
1930-31	2.98	2.68	2.46	2.08	1.92	2.07	1.90	1.93	1.94	1.87	1.97	2.15	2.18
1931-32	2.16	2.18	2.29	1.72	1.36	1.32	1.28	1.42	1.35	1.35	1.38	1.60	1.69
1932-33	1.30	1.27	1.19	1.10	1.01	1.40	1.33	1.28	1.27	1.30	1.26	1.26	1.23
1933-34	1.28	1.54	1.53	1.78	1.67	1.70	1.68	1.70	1.70	1.84	2.19	2.20	1.69
1934-35	2.21	2.12	1.98	1.87	1.90	1.93	1.97	1.93	1.95	2.06	2.11	2.08	1.98
1935-36	2.03	2.05	1.99	1.93	1.79	1.90	2.09	2.05	1.98	2.00	1.99	2.00	1.97
1936-37	1.90	1.88	2.04	2.36	2.90	2.61	2.71	3.16	4.03	4.43	4.24	3.90	2.79
1937-38	3.51	3.61	3.54	3.48	3.47	3.49	3.20	2.70	2.41	2.57	2.34	2.06	3.20
1938-39	2.12	2.03	2.09	2.24	2.17	2.05	2.30	2.45	2.21	2.23	2.30	2.52	2.18
1939-40	2.27	2.26	2.32	2.39	2.32	2.46	2.49	2.41	2.34	2.41	2.40	2.43	2.37
1940-41	2.26	2.20	2.04	1.74	1.94	1.83	1.93	2.05	1.96	2.07	2.04	2.10	1.98
1941-42	2.04	1.99	2.01	2.28	2.55	2.62	2.58	2.77	3.09	3.43	3.52	3.40	2.69
1942-43	3.07	2.89	2.93	3.10	2.93	3.33	3.49	3.50	3.48	3.57	3.55	3.75	3.30
1943-44	3.67	3.64	3.63	3.75	4.01	4.02	4.21	4.47	4.55	4.60	4.78	5.08	4.20
1944-45	4.93	5.09	5.68	5.55	5.51	5.55	5.76	5.85	5.85	5.85	5.85	5.85	5.61
1945-46	5.85	5.85	5.85	5.85	6.38	6.80							

Note: Rosin Grades included in average prices are:-- X, WWT, WG, N⁺ M, K, I, H, G, F, E, D, B.

1/ Prior to 1941-42, monthly prices were obtained by multiplying the average of the Wednesday and Saturday closing prices of each grade by the number of barrels of each grade reported as inspected in Florida during that month, and dividing the total of the resulting figures by the total number of barrels inspected in Florida during that month, thereby giving the proper relative value to each grade. The crop year average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville, and Pensacola and dividing the total of these figures for the crop year by the total receipts for the crop year, thereby giving the months of heavy receipts and of low receipts their proper relative value. For 1941-42 and thereafter, only simple averages in terms of dollars per 100 pounds net weight are shown.

2/ Prior to 1941, all resin prices were quoted in dollars per trade barrel of 280 pounds gross weight. Since 1941, prices are quoted in dollars per 100 pounds net weight. In order to simplify comparisons, all prices in this table have been calculated to the basis of 100 pounds net weight.

3/ Prices for 1921-22 to 1930-31 crop years will be found in previous annual and semi-annual reports in this series.

4/ After November, 1936, Wednesday and Friday Savannah prices were used when there was no quoted Saturday market.

Sources of data: Florida inspections and monthly receipts at Savannah, Jacksonville, and Pensacola, the Naval Stores Review, Daily Market Reports of the Savannah Exchange, Jacksonville and Pensacola Chambers of Commerce, and Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

ADDENDA

Additional information pertaining to naval stores may be obtained as follows:

For periods prior to 1942, for monthly, quarterly and annual reports on imports and exports of turpentine and resin, address: Foreign Trade Statistics, Bureau of the Census, Department of Commerce, Washington, D. C. Price ten cents per copy.

For biennial census of the production of turpentine and resin, address: Bureau of the Census, Department of Commerce, Washington, D. C.

For information on the Naval Stores Conservation Program, write to the Regional Forester, U. S. Forest Service, Glenn Building, Atlanta 3, Georgia.

For information on the southern forest survey showing turpentine timber resources, address: Southern Forest Experiment Station, Box 7295, Midcity Station, New Orleans 19, Louisiana.

For information regarding the production, distribution, consumption and stocks of turpentine and resin, address: Naval Stores Research Division, Bureau of Agricultural and Industrial Chemistry, 2100 Robert E. Lee Boulevard, New Orleans 19, Louisiana.